PHENOL-TOTAL RECOVERABLE IN DRINKING, SALINE AND SURFACE WATERS, AND DOMESTIC AND INDUSTRIAL WASTES
SEAL AQ2 METHOD NO: EPA 117A REVISION 4

Facility Name:_____VELAP ID_____

Assessor Name:_____ Analyst Name:_____ Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
1. Is the linear calibration range determined initially, and does it contain a minimum of a blank and three standards?	*Method Supplement 1, Rev. 2 (MS)* 3.2.1				
2. Is linearity reestablished if any verification data exceeds initial calibration values by ±10%?	*MS* 3.2.1				
3. Is a laboratory control sample analyzed with every batch, and is recovery assessed against current laboratory criteria? *NOTE: The laboratory "should" establish upper and lower control limits from control charts based on % recovery.*	*MS* 3.4.3, 3.4.3.4, 3.4.3.5				
4. Is at least one method blank carried through all the procedural steps with each batch?	*MS* 3.4.1.1				
5. Is the calibration verified using a calibration standard after every ten samples or every analytical batch?	*MS* 4.5				
6. Is a minimum of 10% of all samples spiked with the stock standard?	*MS* 3.3.1				
7. For compliance monitoring, is the concentration of the matrix spike at the regulatory limit OR 1 to 5 times higher than the background concentration of the sample?	MS 3.3.1.1.1				
8. Did samples undergo distillation by EPA 420.1 prior to analysis by this method?	1.1				
9. Was volumetric glassware Class A?	6.2				
Notes/Comments:					

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Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
10. Was 4-Aminoantipyrine solution prepared fresh daily?	7.1				
11. Was buffered Potassium Ferricyanide prepared fresh weekly?	7.1				
12. Was Phenol Standard stock solution stored at 4°C and prepared fresh weekly?	7.2				
13. Were Phenol Standard working solutions prepared fresh daily?	7.2				
14. Were samples preserved with sulfuric acid to a pH < 2 and held at ≤6°C for not longer than 28 days? (Acidification and cooling not necessary for samples analyzed as soon as possible.)	40CFR136.3 Table 1I				
15. Were samples collected in glass bottles?	8.2				
16. Was sample pH adjusted to a pH of 4 prior to distillation by EPA 420.1?	8.3				
Notes/Comments:					